



## Glo-netic

### Technical Data Sheet

**Description:** **Glo-netic** is a mixture of suspended fluorescent magnetic particles in a highly refined light petroleum oil. The particles respond to magnetic leakage fields created by cracks and other flaws. They rapidly collect at such fields and when viewed under black light, they reveal and profile flaws as bright, glowing yellow-green marks. Complies with low sulfur and low halogen requirements.

#### Chemical Properties

Color: Brown particles suspended in a clear liquid  
Fluorescence: Yellow/Green  
Odor: Petroleum Odor

#### Companion Products

CP-1 Contrast Paint                      CP-2 Contrast Paint

#### Packaging

One Gallon Cans                      16oz. Aerosol Cans (9 cans per case)  
Five Gallon Cans

#### Storage/Shelf Life

Keep away from moisture and sunlight.  
Temperature limit: 40°F to 125°F (4-50°C)  
Keep the container closed when not in use.



Shelf life from invoice date: Bulk Container –5 Years / Aerosol can – 36 months

## **Specifications**

SAE AMS 3045

ASME Code NDT, Sec V

## **Special Features**

1. Low background for assured indication visibility.
2. Particle concentration of pre mixed suspension meets requirements.
3. **Glo-netic** particles are pre mixed in proper concentration for high sensitivity inspection.
4. **Glo-netic** can be used with both stationary and portable magnetic test equipment.
5. **Glo-netic** can be used in the shop or in the field.
6. **Glo-netic** spray cans offer convenience and improve reliability since the pressure spray evenly disperses the particles in a uniform, light oil coating.

## **Instructions**

**Note:** These instructions describe the basic process, but they may need to be amended by the user to comply with applicable specification and /or inspection criteria provided by the contracting agency.

1. Clean the test surface and allow to dry.
2. Magnetize the area to be inspected.



3. Shake spray can and spray generous amounts of **Glo-netic** over the test surface with the magnetic equipment in contact.
4. Allow excess oil to run off the surface.
5. Inspect the surface under UV-A lighting. Collections of fluorescent magnetic particles will reveal defects at the leakage fields.
6. Clean and repeat the process, changing the magnetizing equipment by 90°.

### **Health & Safety**

**Glo-netic** is a combustible liquid. Use with adequate ventilation and away from sparks, fire or open flames. Avoid prolonged or repeated contact with skin. Do not take internally. Consult the MSDS for more safety and health information.